

Fig. 1

Fig. 13D

STATES	EVENTS						
	ST = State Transition	Start	Receive a call	Receive Valid Input	Receive Invalid Input	Timeout	Max Retries Reached
308	Substitute Call-out						
309	MakeTheCall	Dial the telephone number; ST: CallAnalysis	N/A	N/A	N/A	N/A	N/A
310	CallAnalysis	Determine how the call was or was not answered	N/A	Person Answers; ST: Identify	Person does not answer;	N/A	N/A
311	Identify	Prompt for SS Number or PIN Number	N/A	ST: PresentRequest	Generate Start Event	N/A	ST: Goodbye
312	PresentRequest	Play request, prompt substitute to "1" Replay; "2" Accept; "3" Reject	N/A	"1" Replay, Generate Start Event; "2" ST: AcceptRequest; "3" ST: RejectRequest	Play Error Message; Generate Start Event	Play Error Message; Generate Start Event	ST: Goodbye
313	RejectRequest	"1" Reject w/No more calls; "2" Reject allowing for additional calls	N/A	ST: Goodbye	Play Error Message; Generate Start Event	Play Error Message; Generate Start Event	ST: Goodbye
314	AcceptRequest	Play confirmation number; ST: Goodbye	N/A	N/A	N/A	N/A	N/A
315	ErrorState	Play standard error message; ST: Goodbye	N/A	N/A	N/A	N/A	N/A
316	Hangup	Hangup Phone; ST: End	N/A	N/A	N/A	N/A	N/A
317	Goodbye	Thank substitute for using system; ST: Hangup	N/A	N/A	N/A	N/A	N/A

Fig. 13F

SYNCHRONIZATION CLIENT TO SERVER										
CLIENT	EVENTS									
States	Have Data	Don't Have Data	File Created	Connect FTP	Did Not Connect to FTP	File not there	Max Tries	Startup	Bad format	Save
323 Extract	Create file ST: Send	Create file ST: Send								
324 Send			Create FTP Session; Send File	Verify file was sent ST: Receive Else ST: Error			Error			
325 Receive						Check for file if pres. ST: Import Else ST: Wait	Error			
326 Import								Opens files; Verify file format	Refuse all changes	Save Changes
327 Cleanup Error								Moves files to archive; Sets last sync dates for all files		
328 Wait	File Found	EVENTS	Startup							
329 Import Object		Opens; Verifies; Reads; Saves or discards	Verifies							
330 Extract		Create export file; ST: Send								
331 Send		Close file; copies to FTP site								

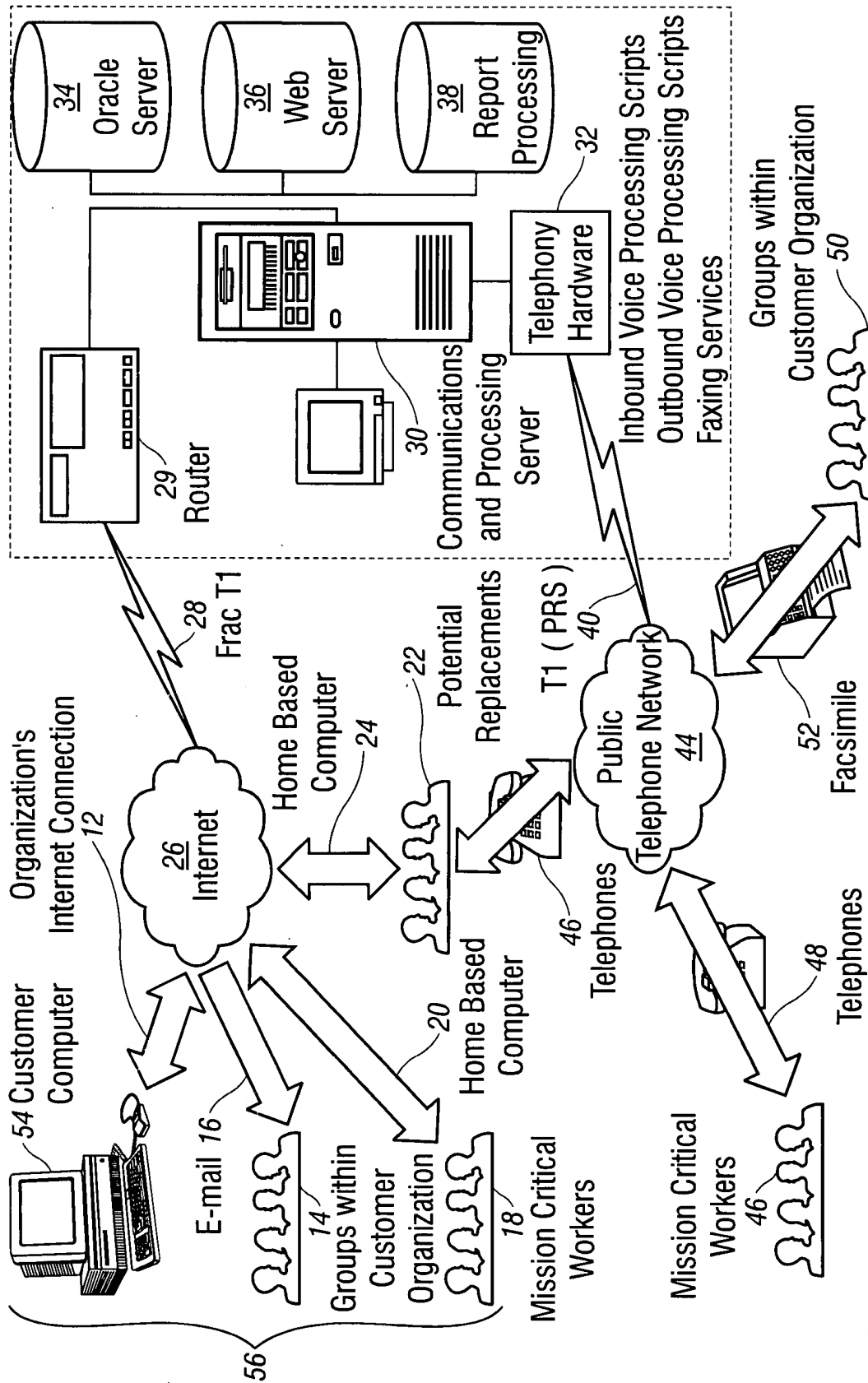


FIG. 1

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Data Flow Process and Interface

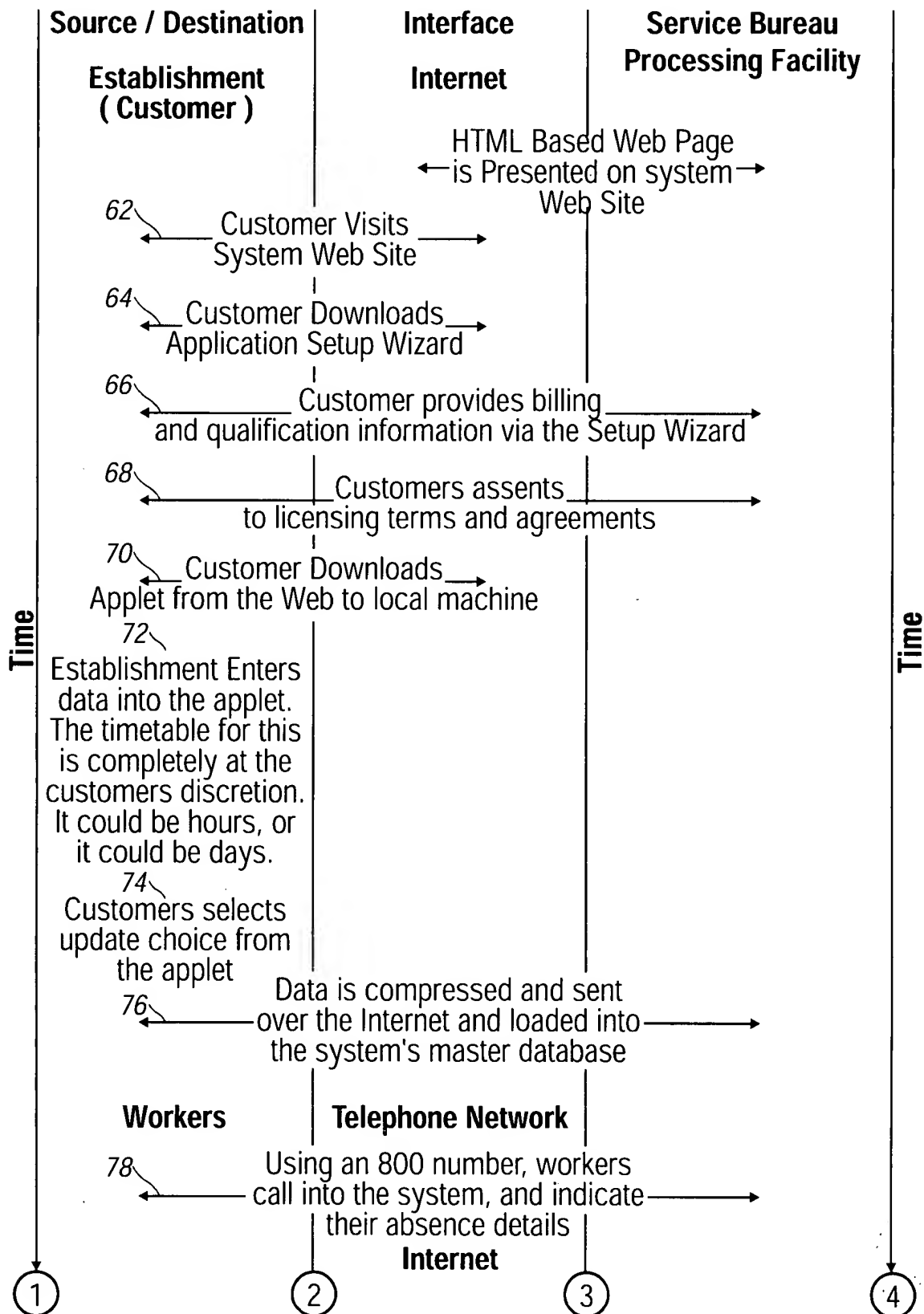


FIG. 2 (1 of 2)

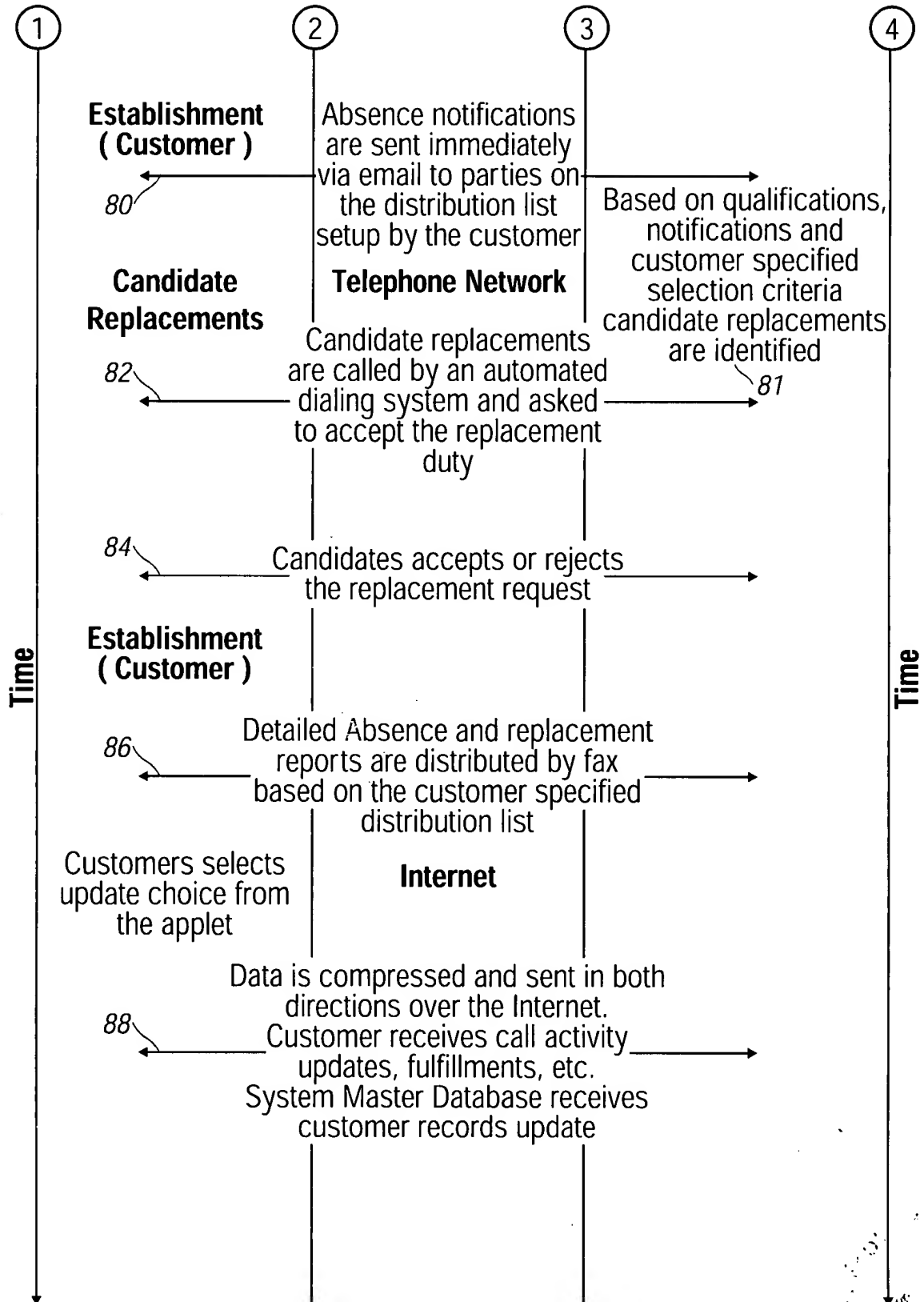


FIG. 2 (2 of 2)

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STAFF	
Name	92
Title	94
Social Security Number	96
Pin	98
Cross reference to billing contact	100
Certification(s)	102
Substitute preferences	104
Schedule manipulation	106
Absence record	108
School reference	110
District reference	112
County reference	114
E-mail address	116
Fax number	118
Room/Office number	120
Special flag for recorded messages	122
Entitlement balances	124
Availability	126
Call time preferences	128

FIG. 3

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Pick-Lists	
Field preferences	152
Required	
Visible	
Default data	154
Field data	
Type	156
Certification	158
Entitlement types	160
People	162
Schools	164
District	

FIG. 5

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Business Data	132
Billing address	134
Mailing address	136
Billing contact	138
Emergency contact Evening Weekend Business	140
Phone number	142
Fax number	144
E-mail	146
PO #	148
Options turned on	

FIG. 4

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School Data	168
Name	170
Code	172
Type	174
Principal	176
Fax	178
Assign fax list	180
Phone	182
Secretary	184
Assign substitute	186
Assign staff	188
Record/Play	

FIG. 6



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County Data	
Name	192
Code	194
State	196
Associate districts	198
Assign substitutes	200

FIG. 7

202

District Data	
Name	204
Code	206
District address	208
Phone	210
Fax	212
Assign fax list	214
Administrator/Board secretary	216
Associate schools	218
Assign substitutes	220
Assign staff	222
Record/Play	224

FIG. 8

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Preferences	
Options	228
Calling numbers	
Select internet/intranet calling profiles	
Password	
Key value	

FIG. 9

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Reports	232
Acceptance/refusal history	234
Call History	236
Unfulfilled	
Teacher manifest	237
Trend analysis	238
Substitute manifest	240
School manifest	
Substitute performance	242
Acceptance rating	
Flexibility rating	
Trend analysis	244
Staff attendance	246
Staff calendars	
Assignment reports	248
School	
District	
County	

FIG. 10

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Wizard	252
Phone	254
Emergency phone	256
Contact	258
Billing address	260
District	262
Title	264
Number of teachers (approx.)	266
Number of support staff (approx.)	268
Fax number	270
E-mail address optional	272
Billing contact optional	

FIG. 11

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ABSENTEE REPORT

276

Date: 1/8/98	Time: 14:40:08				
Name	Social Security #	Phone #	Title	Time	Location
Smith, John, T.	005-75-2243	(609)-555-1111	Social Studies	14:39:50	Howard
	Date:	1/8/98			
	Type:	Sick			
	F/H Day:	Half Day/PM			

SUBSTITUTE ASSIGNMENT REPORT

278

Date: 1/8/98	Time: 17:08	
Name: Smith, John, T.	SSN: 005-75-2243	
Title: Social Studies gr 8	School ID: 011	
Location: Howard	School: 50 South School Street	
Substitute Information		
Name: Smith, Charles	SSN: 005-76-2214	
Contact Date: 1/8/98	Time: 17:06	

CALL HISTORY REPORT

279

Date: 1/8/98	Time: 17:08				
Name: Smith, John, T.	SSN: 005-75-2243				
Date: 1/8/98	Time: 17:04	Line: Answer	Status: No Contact	Sub: Smith, Mark, C.	
Date: 1/8/98	Time: 17:05	Line: Answer	Status: Rejected	Sub: Jones, Pat, B.	
Date: 1/8/98	Time: 17:06	Line: Answer	Status: Accepted	Sub: Smith, Charles D.	

UNFULFILLED SUBSTITUTE ASSIGNMENT REPORT

280

Date: 1/8/98	Time: 19:10	
Name: Hitchens, Jack, R.	SSN: 008-73-2278	
Title: English gr 11	School ID: 012	
Location: Blair	School: 123 South Main Street	

FIG. 12

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States		Events							
ST = State Transition		Start	Receive a call	Receive Valid Input	Receive Invalid Input	Timeout	Max Retries Reached		
Telephony Application									
Teacher Call-in									
281	Initial	Prompt for SS Number	Take phone offhook; Generate "Start" Event	ST: MainMenu	ST: ErrorState	ST: Hangup	N/A		
282	MainMenu	"1" Record Absence; "2" Listen to Entitlement Day Balances; "3" Special Instructions	N/A	"1" Pressed ST: Whenstep 1; "2" Pressed, Entitlements	Play Error Message; Generate "Start" Event	Play Error Message; Generate "Start" Event	ST: Goodbye		
283	Whenstep 1	"1" Today; "2" Another Day	N/A	"1" ST: Shift; "2" ST: WhenAnotherDay	Play Error Message; Generate "Start" Event	Play Error Message; Generate "Start" Event	ST: Goodbye		
284	WhenAnotherDay	Prompt for day of the month followed by the "#" sign	N/A	ST: Shift	Play Error Message; Generate "Start" Event	Play Error Message; Generate "Start" Event	ST: Goodbye		
285	Shift	"1" Full Day; "2" Half day AM; "3" Half day PM;	N/A	ST: Absence Type or if required ST: StartTime	Play Error Message; Generate "Start" Event	Play Error Message; Generate "Start" Event	ST: Goodbye		
286	StartTime	Prompt for a military time	N/A	ST: Absence Type	Play Error Message; Generate "Start" Event	Play Error Message; Generate "Start" Event	ST: Goodbye		
287	Absence Type	List Valid Absence Types from database	N/A	ST: ConfirmAbsence or if required ST: RecordInstructions	Play Error Message; Generate "Start" Event	Play Error Message; Generate "Start" Event	ST: Goodbye		
288	RecordInstructions	Play instructions for recording a message	N/A	ST: ConfirmAbsence	Play Error Message; Generate "Start" Event	Play Error Message; Generate "Start" Event	ST: Goodbye		
		1	2	3	4	5	6	7	8

FIG. 13A (1 of 2)

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	①	②	③	④	⑤	⑥	⑦	⑧
289	ConfirmAbsence	Replay contents of absence, prompt user to confirm;	N/A	"1" Pressed, ST: CheckComplete; "2" Pressed. ST: WhenAnotherDay	Play Error Message; Generate "Start" Event	Play Error Message; Generate "Start" Event	ST: Goodbye	
290	CheckComplete	Press "1" Complete call and get confirmation number; "2" Enter an additional absence day;	N/A	"1" Pressed, ST: Goodbye; "2" Pressed. ST: WhenAnotherDay	Play Error Message; Generate "Start" Event	Play Error Message; Generate "Start" Event	ST: Goodbye	
291	Entitlements	List Entitlement Day Balances, ST: MainMenu	N/A	N/A	N/A	N/A	N/A	
292	ErrorState	Play standard error message; ST: Goodbye	N/A	N/A	N/A	N/A	N/A	
293	Hangup	Hangup Phone ST: End	N/A	N/A	N/A	N/A	N/A	
294	Goodbye	Play goodbye message; ST: Hangup	N/A	N/A	N/A	N/A	N/A	

FIG. 13A (2 of 2)

10/26/2001 10:01:00 AM

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States		Events					
ST = State Transition		Start	Receive a call	Receive Valid Input	Receive Invalid Input	Timeout	Max Retries Reached
School Administration Call-in							
295	MainMenu	Press "1" School Menu; Press "2" Entitlement Types Menu	N/A	"1" Pressed ST: RecordSchoolMenu; "2" Pressed ST: RecordEntTypesMenu	Play Error Message; Generate "Start" Event	Play Error Message; Generate "Start" Event	ST: Goodbye
296	RecordSchoolMenu	Prompt for valid School Recording ID	N/A	ST: RecordSchool, or if "#" pressed ST: MainMenu	Play Error Message; Generate "Start" Event	Play Error Message; Generate "Start" Event	ST: Goodbye
297	RecordSchool	Play existing recording, if exists then prompt "1" to record new prompt, "#" to return to School Menu	N/A	"1" Pressed, record/verify prompt, ST: RecordSchoolMenu; "#" ST: RecordSchoolMenu	Play Error Message; Generate "Start" Event	Play Error Message; Generate "Start" Event	ST: Goodbye
298	RecordEntTypesMenu	Prompt for valid Entitlement Type Recording ID	N/A	ST: RecordEntTypes, or if "#" pressed ST: MainMenu	Play Error Message; Generate "Start" Event	Play Error Message; Generate "Start" Event	ST: Goodbye
299	RecordEntTypes	Play existing recording, if exists then prompt "1" to record new prompt, "#" to return to Entitlement Menu	N/A	"1" Pressed, record/verify prompt, ST: RecordEntTypesMenu; "#" ST: RecordEntTypesMenu	Play Error Message; Generate "Start" Event	Play Error Message; Generate "Start" Event	ST: Goodbye
300	ErrorState	Play standard error message; ST: Goodbye	N/A	N/A	N/A	N/A	N/A
301	Goodbye	Thank caller for using system; ST: Hangup:	N/A	N/A	N/A	N/A	N/A
302	Hangup	Hangup Phone ST: End	N/A	N/A	N/A	N/A	N/A

FIG. 13B

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States		Events				
ST = State Transition		Start	Receive a call	Receive Valid Input	Receive Invalid Input	Timeout
FrontLine Administration Call-in						
303	RecordFilesMenu	Prompt for the recording ID of the message file	N/A	ST: RecordFiles	Play Error Message; Generate "Start" Event	Play Error Message; Generate "Start" Event
304	RecordFiles	Play existing recording, if exists then prompt "1" to Record new prompt, "#" to return to Record Files Menu	N/A	"1" Pressed, record/verify prompt, ST: RecordFiles; "#" ST: RecordFiles	Play Error Message; Generate "Start" Event	Play Error Message; Generate "Start" Event
305	ErrorState	Play standard error message; ST: Goodbye	N/A	N/A	N/A	N/A
306	Goodbye	Thank caller for using system; ST: Hangup:	N/A	N/A	N/A	N/A
307	Hangup	Hangup Phone ST: End	N/A	N/A	N/A	N/A

FIG. 13C

12/26/2001 2:47:00 PM

States		Events					
ST = State Transition		Start	Receive a call	Receive Valid Input	Receive Invalid Input	Timeout	Max Retries Reached
Substitute Call-out							
308	MakeTheCall	Dial the telephone number; ST: CallAnalysis	N/A	N/A	N/A	N/A	N/A
309	CallAnalysis	Determine how the call was or was not answered	N/A	Person Answers; ST: Identify	Person does not answer;	N/A	N/A
310	Identify	Prompt for SS Number or PIN Number	N/A	ST: PresentRequest	Generate "Start" Event	N/A	ST: Goodbye
311	PresentRequest	Play request, prompt substitute to "1"Replay; "2"Accept, "3"Reject	N/A	"1"Replay, Generate Start Event; "2" ST: AcceptRequest; "3" ST: RejectRequest	Play Error Message; Generate "Start" Event	Play Error Message; Generate "Start" Event	ST: Goodbye
312	RejectRequest	Reject w/No more calls; "2"Reject allowing for additional calls	N/A	ST: Goodbye	Play Error Message; Generate "Start" Event	Play Error Message; Generate "Start" Event	ST: Goodbye
313	AcceptRequest	Play confirmation number; ST: Goodbye	N/A	N/A	N/A	N/A	N/A
314	ErrorState	Play standard error message; ST: Goodbye	N/A	N/A	N/A	N/A	N/A
315	Goodbye	Thank caller for using system; ST: Hangup:	N/A	N/A	N/A	N/A	N/A
316	Hangup	Hangup Phone ST: End	N/A	N/A	N/A	N/A	N/A

FIG. 13D

	States	Events					
	ST = State Transition	Start	Receive a call	Receive Valid Input	Receive Invalid Input	Timeout	Max Retries Reached
	Fax Callout						
317	MakeTheCall	Call FaxNumber ST: CallAnalysis	N/A	N/A	N/A	N/A	N/A
318	CallAnalysis	Determine if Fax Answered	N/A	Fax Answered ST: FaxSend	Fax did not Answer ST: Hangup	N/A	N/A
319	FaxSend	Send Fax ST: End					
320	ErrorState	Play standard error message; ST: Goodbye	N/A	N/A	N/A	N/A	N/A
321	Goodbye	Thank substitute using system; ST: Hangup:	N/A	N/A	N/A	N/A	N/A
322	Hangup	Hangup Phone ST: End	N/A	N/A	N/A	N/A	N/A

FIG. 13E

Client	Events										
	Have Data	Don't Have Data	File Created	Connect FTP	Did Not Connect to FTP	File not there	Max Tries	Startup	Bad format	Save	
States											
323 Extract	Create file ST: Send	Create File ST: Send									
324			Create FTP Session; Send File	Verify file was sent ST: Receive; Else ST: Error			Error				
325 Send						Check for file if pres. ST: import Else ST: Wait	Error				
326 Receive								Opens files; Verify file format	Refuse all Changes	Save Changes	
327 Import								Moves files to archive; Sets last sync dates for all files			
Cleanup											
Error											
1	2	3	4	5	6	7	8	9	10	11	12

FIG. 13F (1 of 2)

①	②	③	④	⑤	⑥	⑦	⑧	⑨	⑩	⑪	⑫
Server	Events										
States	File Found	Startup									
Wait	Create File ST: Import Object										
328											
Import Object		Opens; Verifies; Reads; Saves or discards;									
329											
Extract	Create File ST: Import Object	Create export file; ST: Send									
330											
Send		Close file; copies to FTP site									
331											

FIG. 13F (2 of 2)



Project Name : aesop0714
 Project Directory : C:\PROGRA-1\EASYSER\AESOP\
 User Name :
 Chart Name : Aesop0714
 Chart Filename : aesopc-1.dbe
 Chart Notation : IDEF1X
 Date : Jul-19-1999
 Logical Data Model

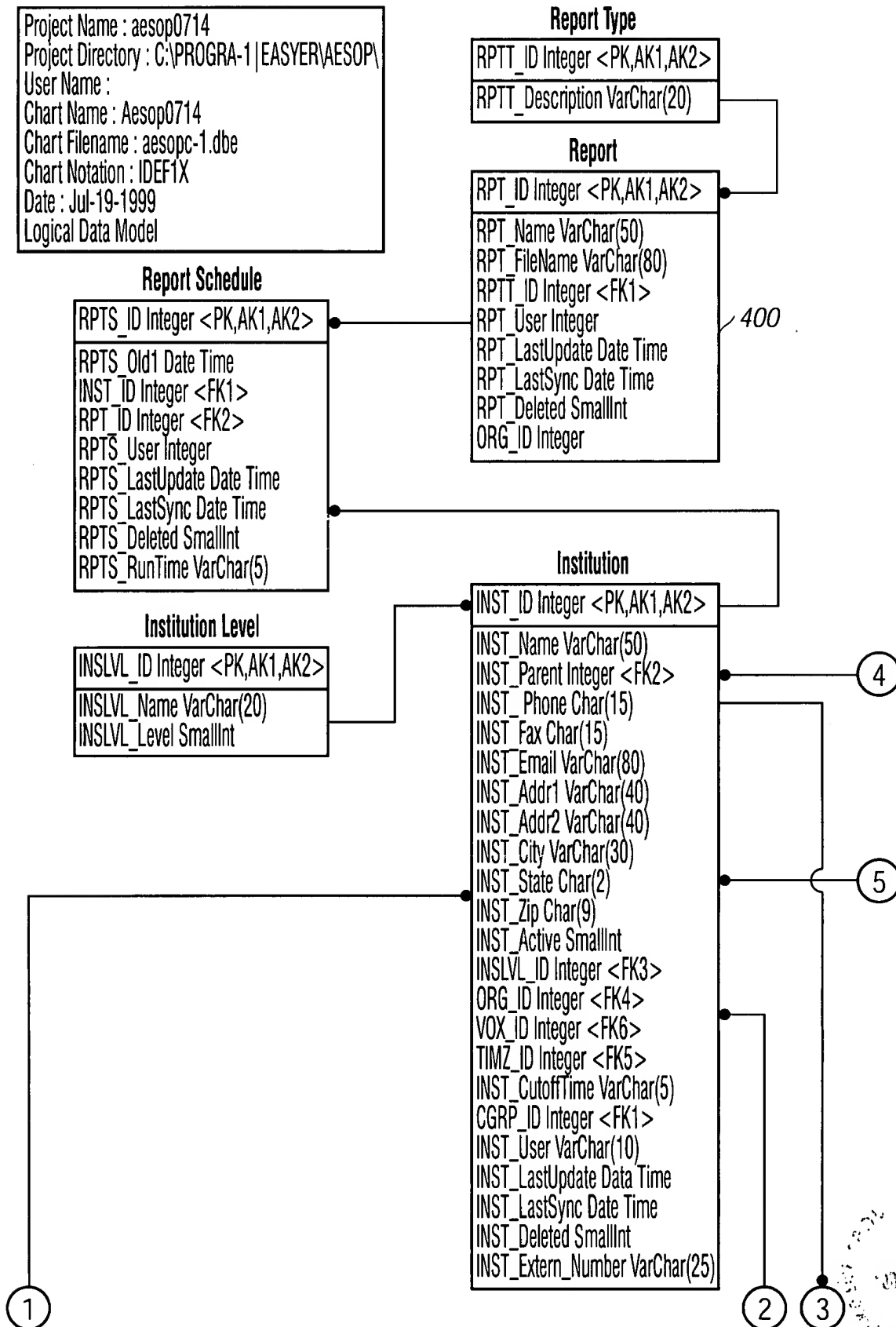


FIG 14 (1 of 10)

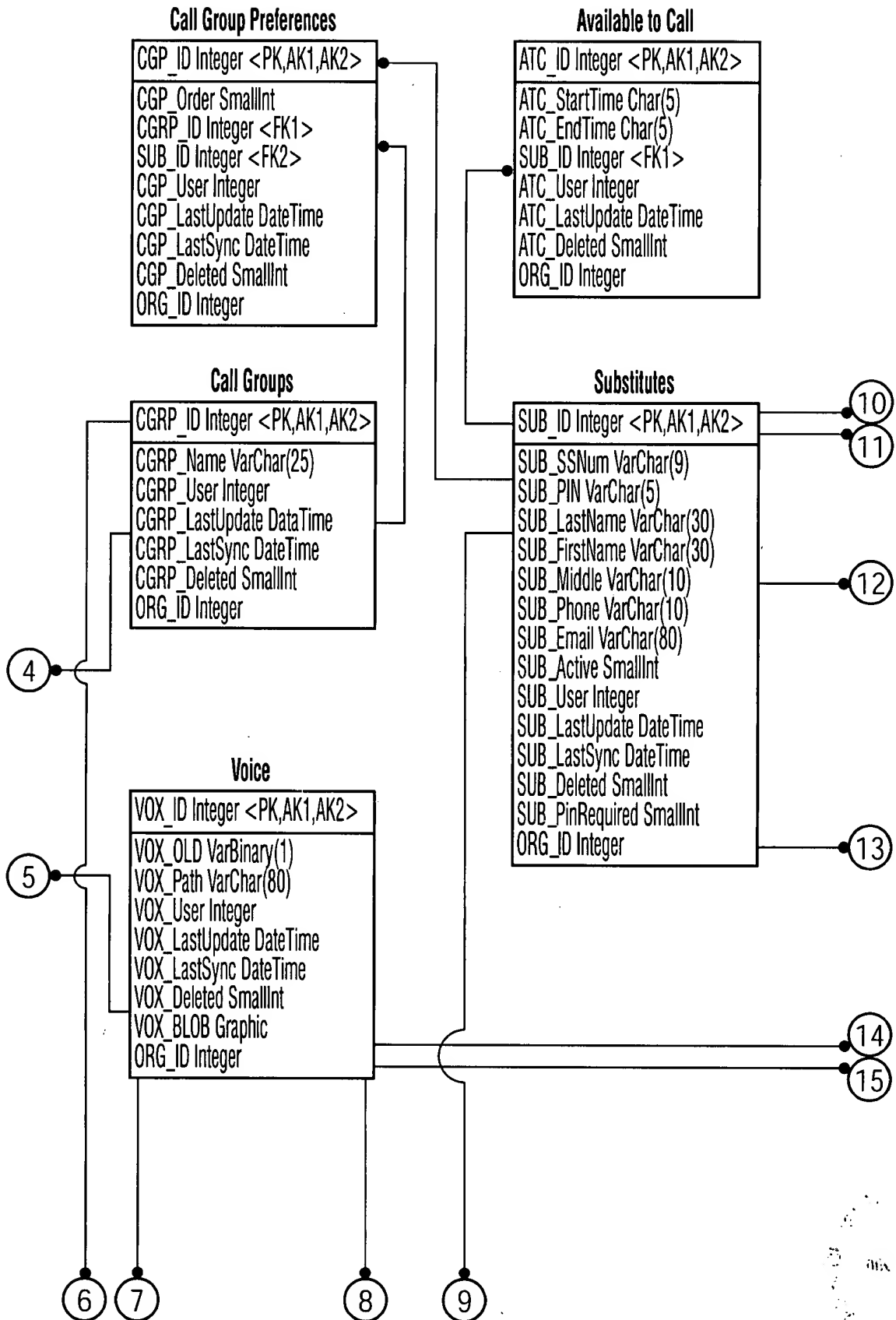
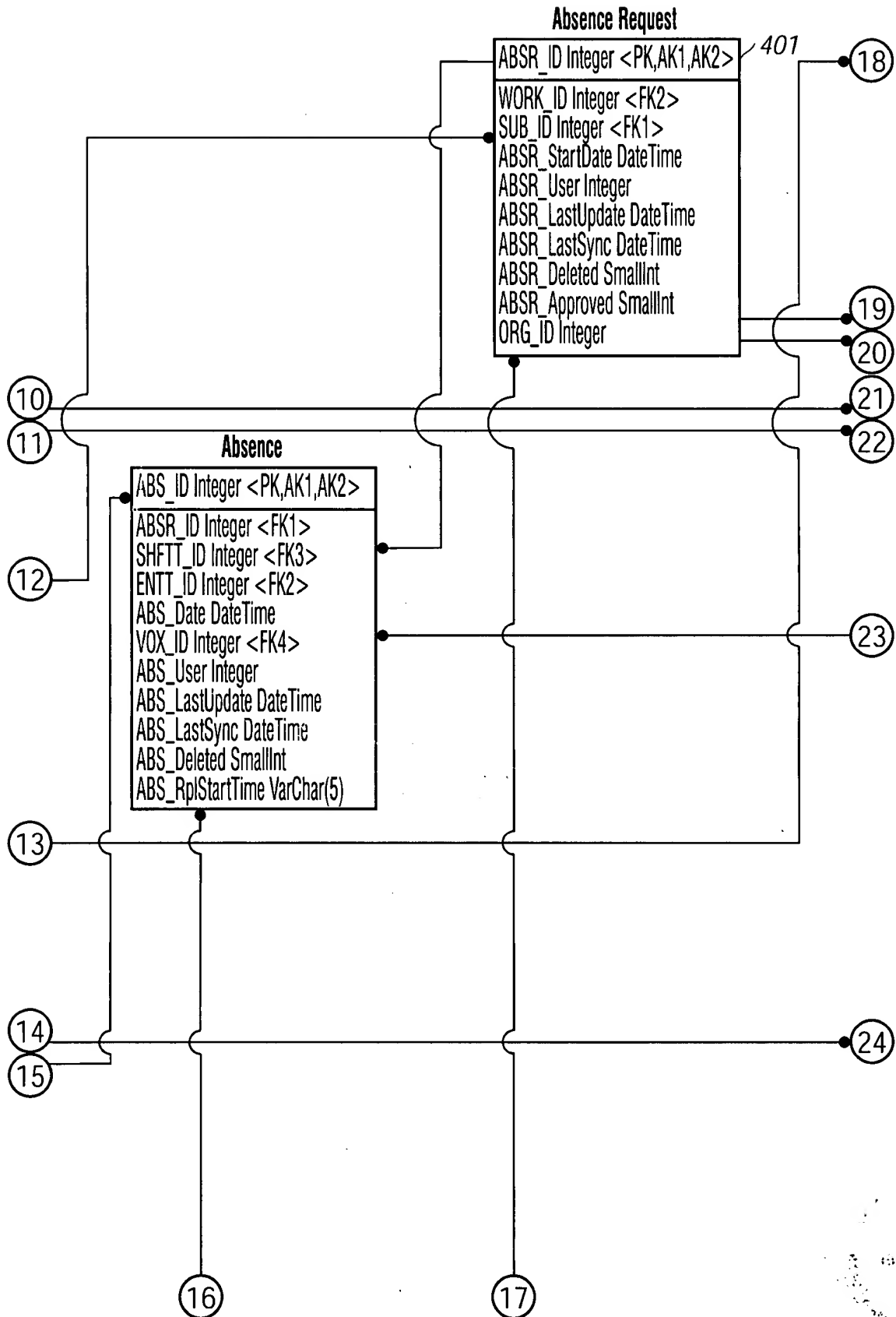


FIG 14 (2 of 10)



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Substitute Schedule

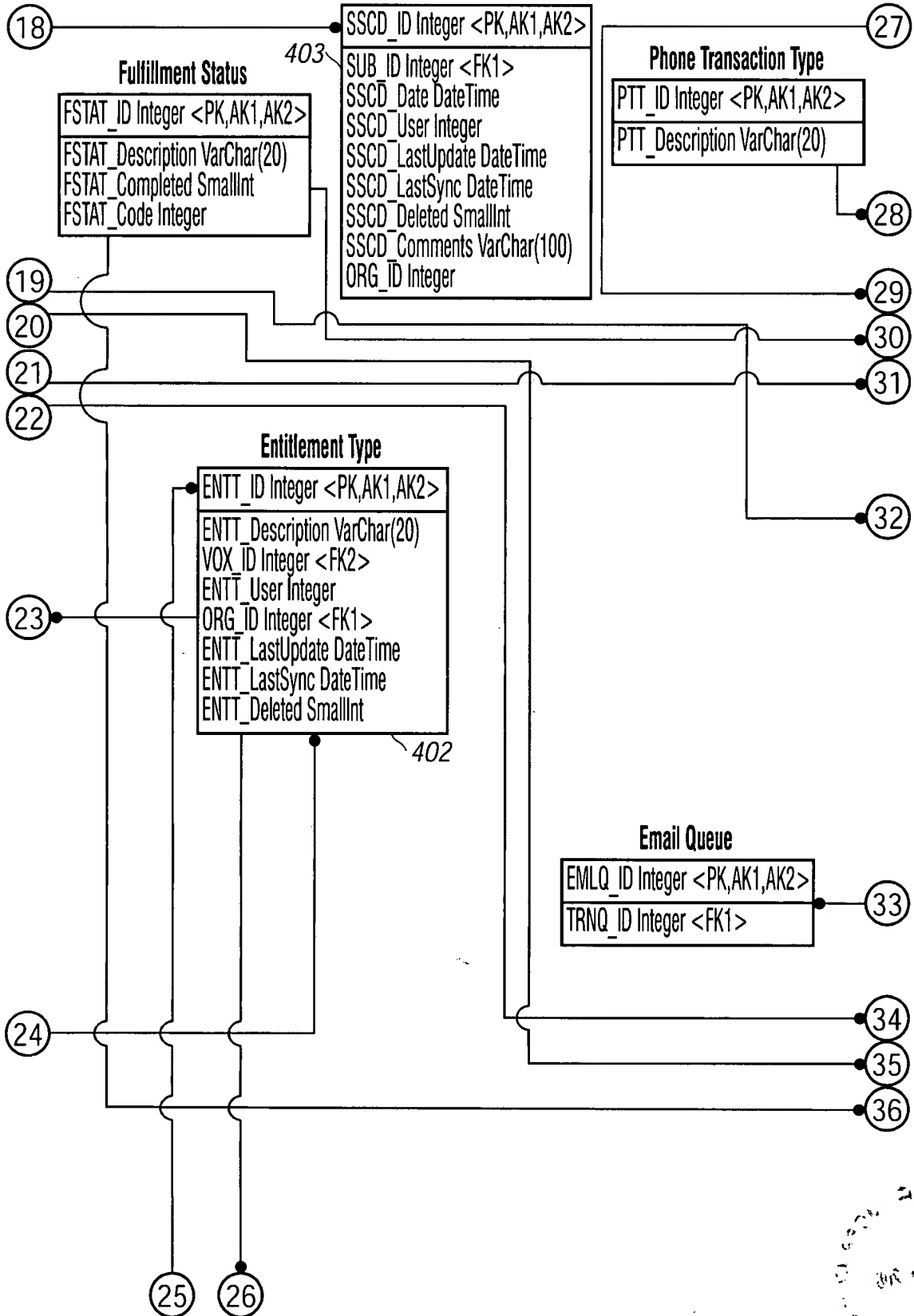


FIG 14 (4 of 10)

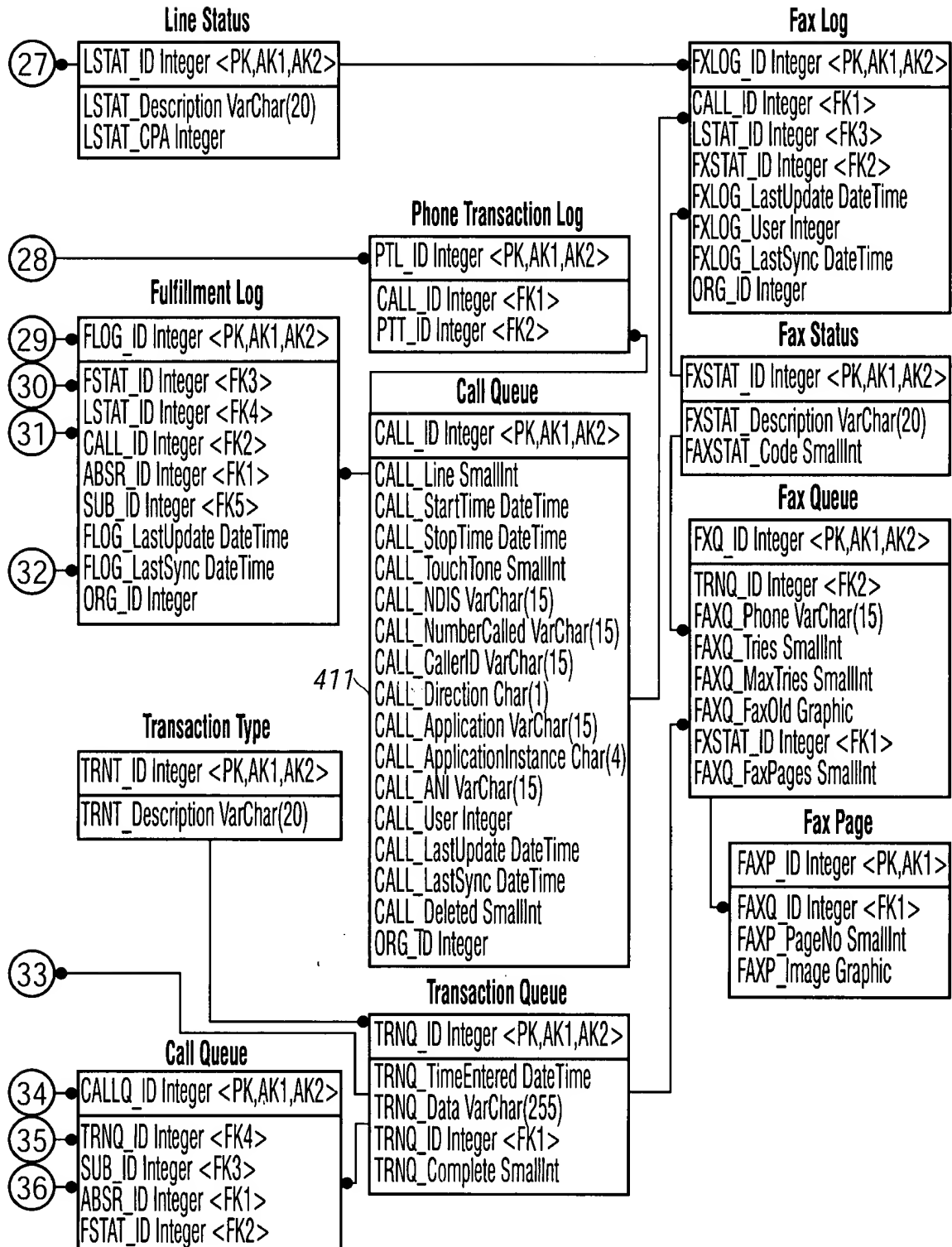


FIG 14 (5 of 10)

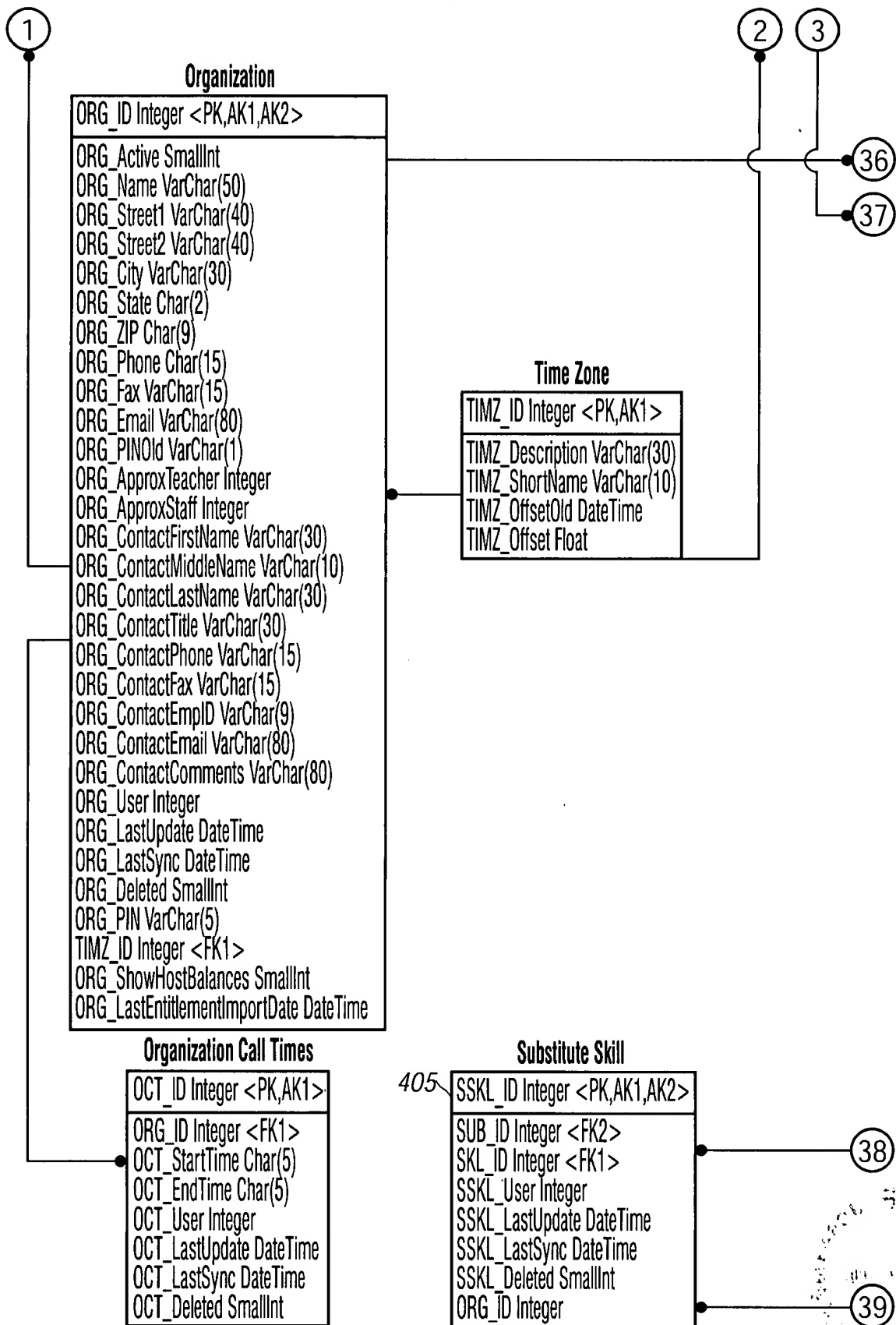


FIG 14 (6 of 10)

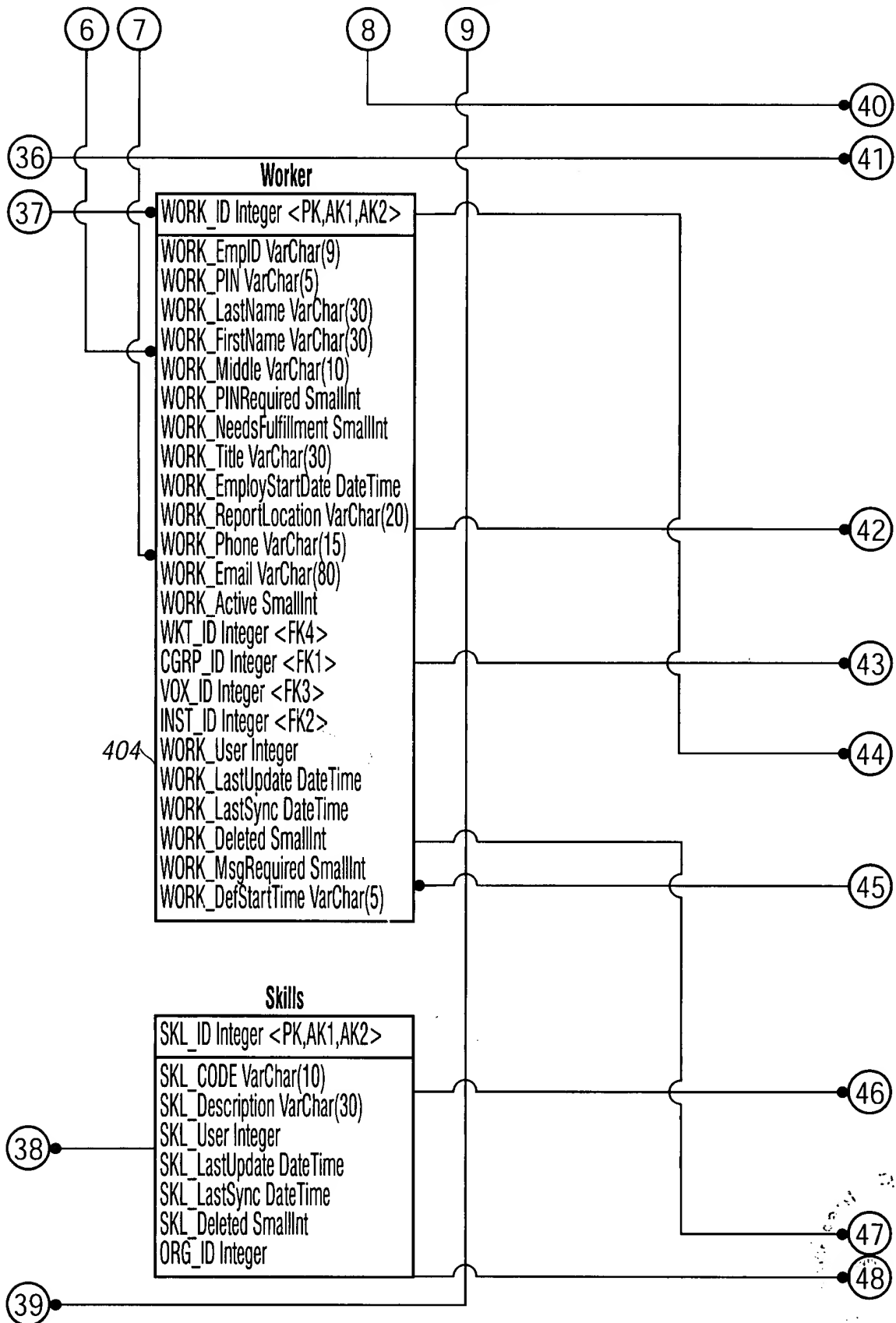


FIG 14 (7 of 10)

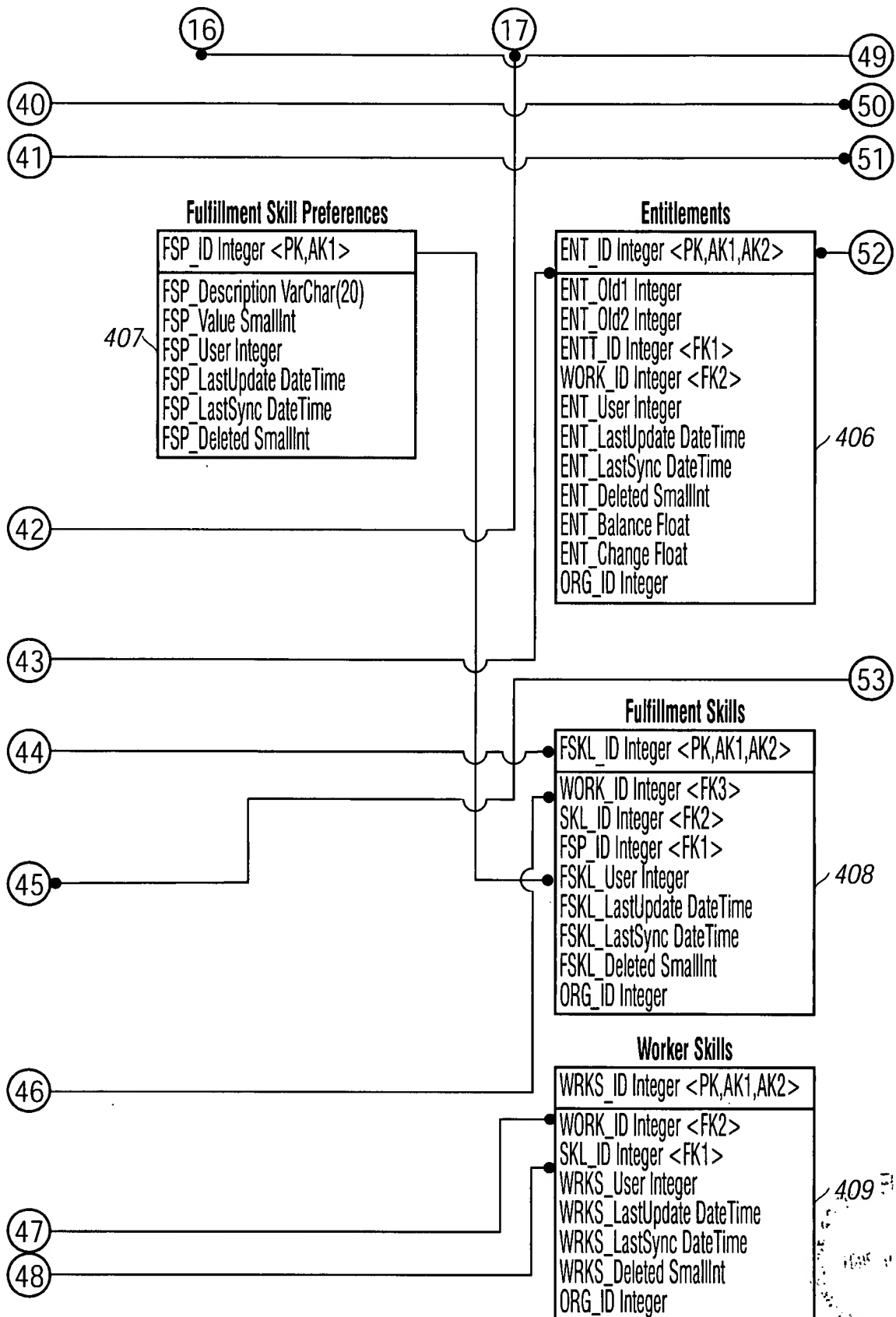


FIG 14 (8 of 10)

